

Application Number: 09/695,794

Docket Number: 10003591-1

IN THE CLAIMS:

1. (Previously Presented) A method for providing network access to a web server in a peripheral device, comprising the steps of:

identifying a request from a client received by a host via a network to be forwarded to the web server located on the peripheral device locally coupled to the host;

forwarding the request from the host to the web server located on the peripheral device;

transmitting a response to the request from the web server located in the peripheral device to the host; and

transmitting the response from the host to the client.

2. (Original) The method of claim 1, wherein the step of identifying a request received by the host to be forwarded to the web server further comprises the step of identifying a virtual socket identifier in the request that is associated with the web server.

3. (Previously Presented) The method of claim 1, wherein the step of forwarding the request from the host to the web server located on the peripheral device further comprises the steps of:

opening a connection from the host to the peripheral device on a channel dedicated to the web server; and

transmitting the request from the host to the web server via the channel.

4. (Previously Presented) The method of claim 3, wherein the step of transmitting the request from the host to the web server via the channel further comprises the step of attaching a channel identifier to the request that is associated with the channel.

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5. (Previously Presented) The method of claim 3, further comprising the steps of:

waiting in the host for the response from the peripheral device; and
closing the connection to the peripheral device.

6. (Currently Amended) A system in a host for providing network access to a web server in a peripheral device, comprising:

a processor coupled to a local interface;
a memory coupled to the local interface; and

listener logic stored on the memory and executable by the processor,
the listener logic comprising:

logic to identify a request from a client received by the host via a
network to be forwarded to the web server located on the peripheral device
locally coupled to the host;

logic to forward the request from the host to the web server
located on the peripheral device; and

logic to transmit a response to the request from the host to the
client, the response being received by the host from the web server located
on the peripheral device.

7. (Original) The system of claim 6, wherein the logic to identify a request received by the host to be forwarded to the web server further comprises logic to identify a virtual socket identifier in the request that is associated with the web server.

8. (Previously Presented) The system of claim 6, wherein the logic to forward the request from the host to the web server located on the peripheral device further comprises the steps of:

logic to open a connection to the peripheral device on a channel
dedicated to the web server; and

logic to transmit the request to the web server via the channel.

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9. (Previously Presented) The system of claim 8, wherein the logic to transmit the request from the host to the web server via the channel further comprises logic to attach a channel identifier to the request that is associated with the channel.

10. (Currently Amended) The system of claim 8, wherein the listener logic further comprises:

logic in the host to wait for the response from the peripheral device;

and

logic to close the connection to the peripheral device.

11. (Previously Presented) A system for providing network access to a web server in a peripheral device, comprising:

means for identifying a request from a client received by a host via a network to be forwarded to the web server located on the peripheral device locally coupled to the host;

means for forwarding the request from the host to the web server located on the peripheral device;

means within the peripheral device for transmitting a response to the request from the web server to the host; and

means within the host for transmitting the response received from the web server in the peripheral device to the client.

12. (Original) The system of claim 11, wherein the means for identifying a request received by the host to be forwarded to the web server further comprises means for identifying a virtual socket identifier in the request that is associated with the web server.

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13. (Previously Presented) The system of claim 11, wherein the means for forwarding the request from the host to the web server located on the peripheral device further comprises:

means for opening a connection to the peripheral device on a channel dedicated to the web server; and

means for transmitting the request to the web server via the channel.

14. (Previously Presented) The system of claim 13, wherein the means for transmitting the request to the web server via the channel further comprises means for attaching a channel identifier to the request that is associated with the channel.

15. (Currently Amended) A method in a peripheral device to provide access to a web server in the peripheral device from a network through a host, comprising:

receiving a request in the peripheral device, wherein the request was received by the host from the client via the network and the host identifies whether the request is to be forwarded to the web server in the peripheral device, the peripheral device being coupled to the host, and the host forwarding the request to the peripheral device if the host determines that the request is directed to the web server;

directing the a request to the web server, the request being received from a client on the network through the host; and

transmitting a response to the request from the web server to the host, wherein the host transmits the response received from the web server to be directed from the host to the client via the network.

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16. (Currently Amended) The method of claim 15, wherein the step of directing ~~the~~ a request to the web server, ~~the request being received from a client on the network through the host~~ further comprises the steps of:

establishing a channel between the host and the peripheral device that is dedicated to the web server on the peripheral device; and

directing the request received from the host via the channel to the web server.

17. (Currently Amended) A system in a peripheral device to provide access to a web server in the peripheral device from a network through a host, comprising:

a processor coupled to a local interface;

a memory coupled to the local interface; and

peripheral listener logic stored on the memory and executable by the processor, the peripheral listener logic comprising:

logic to direct a request to the web server, ~~the request being received from a client on the network through the host wherein the request is received by the web server in the peripheral device, the request having been received by the host from the client via the network and, the host identifying whether the request is to be forwarded to the web server in the peripheral device, the peripheral device being coupled to the host, and the host forwarding the request to the peripheral device if the host determines that the request is directed to the web server;~~ and

logic to transmit a response to the request from the web server to the host, wherein the host transmits the response received from the web server ~~to be directed~~ to the client via the network.

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18. (Currently Amended) The system of claim 17, wherein the logic to direct ~~the~~ a request to the web server, ~~the request being received from a client on the network through the host~~ further comprises:

logic to establish a channel between the host and the peripheral device that is dedicated to the web server on the peripheral device; and

logic to direct the request received from the host via the channel to the web server.

19. (Previously Presented) The method of claim 1, wherein the step of identifying a request from a client received by a host via a network to be forwarded to the web server located on the peripheral device locally coupled to the host, further comprises the steps of:

registering a host listener with an operating system of the host to establish a virtual socket for a port dedicated to the web server located on the peripheral device; and

listening on the virtual socket with the host listener to identify the request that is to be forwarded to the web server on the peripheral device when the request is received by the host from the client.

20. (Previously Presented) The system of claim 6, wherein the logic to identify the request from the client received by the host via the network to be forwarded to the web server located on the peripheral device locally coupled to the host further comprises:

logic to register with an operating system of the host to establish a virtual socket for a port dedicated to the web server located on the peripheral device; and

logic to listen on the virtual socket to identify the request that is to be forwarded to the web server on the peripheral device when the request is received by the host from the client.